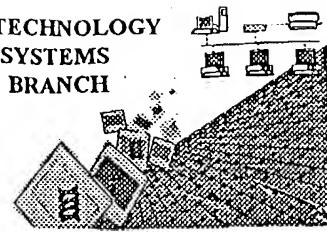


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/718,194
Source: 1Fwo
Date Processed by STIC: 9/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE US PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box-1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 10/218,194

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleic
Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino
Numbering The numbering under each 5th amino acid is misaligned. **Do not use tab codes between numbers; use space characters**, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0
"bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences
(OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION: SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 Skipped Sequences
(NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's
(NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213>
Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name: (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 Use of <220>
→ Sequence(s) missing the <220> "Feature" and associated numeric identifiers and responses
Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0
"bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWO

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004
TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

3 <110> APPLICANT: Singulex, Inc.
4 Puskas, Robert S.
6 <120> TITLE OF INVENTION: Detection of Defined Highly Labeled Probes
8 <130> FILE REFERENCE: 60020240-0022
10 <140> CURRENT APPLICATION NUMBER: 10/718,194
11 <141> CURRENT FILING DATE: 2003-11-19
13 <150> PRIOR APPLICATION NUMBER: 60/427,232
14 <151> PRIOR FILING DATE: 2002-11-19
16 <150> PRIOR APPLICATION NUMBER: 60/427,233
17 <151> PRIOR FILING DATE: 2002-11-19
19 <150> PRIOR APPLICATION NUMBER: 60/427,234
20 <151> PRIOR FILING DATE: 2002-11-19
22 <160> NUMBER OF SEQ ID NOS: 11
24 <170> SOFTWARE: PatentIn version 3.3
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 56
28 <212> TYPE: DNA
29 <213> ORGANISM: Artificial Sequence
31 <220> FEATURE:
32 <223> OTHER INFORMATION: LNA/DNA (see item 11 on
35 <220> FEATURE:
36 <221> NAME/KEY: misc_feature
37 <222> LOCATION: (21)..(36)
38 <223> OTHER INFORMATION: LNA
40 <400> SEQUENCE: 1
41 gctcaggaac aaagaaacgc agggagagag gaaggaattc accagtacaca cgacca
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 56
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: LNA/DNA (see item 11 on
53 <220> FEATURE:
54 <221> NAME/KEY: misc_feature
55 <222> LOCATION: (21)..(36)
56 <223> OTHER INFORMATION: LNA
58 <400> SEQUENCE: 2
59 cagtaacaga tacaaactca agggagagag gaaggaattc accagtacaca cgacca
62 <210> SEQ ID NO: 3
63 <211> LENGTH: 17
64 <212> TYPE: DNA
65 <213> ORGANISM: Artificial sequence
67 <220> FEATURE:

Does Not Comply
Corrected Diskette Needed

pp 1-3

give source of genetic material as explanation
for Artificial Sequence
(see item 11 on
Error summary
Sheet

56

Sheet

56

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004
TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

68 <223> OTHER INFORMATION: LNA/DNA - Blocking Oligo
71 <220> FEATURE:
W--> 72 <221> NAME/KEY: LNA
73 <222> LOCATION: (1)..(17) 17
75 <400> SEQUENCE: 3
76 ctccttcctc tctccct
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 20
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: LNA/DNA - DNA Antisense Primer
87 <400> SEQUENCE: 4 20
88 attgatgccatctttcagc
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 20
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial
96 <220> FEATURE:
97 <223> OTHER INFORMATION: DNA Antisense Primer
99 <400> SEQUENCE: 5
100 ggtgctgcta tcgatggttt 20
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 22
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Sequence specific single-stranded probe
111 <400> SEQUENCE: 6
112 ggtcagtggcc tttagtaaca gt 22
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 35
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial
120 <220> FEATURE:
121 <223> OTHER INFORMATION: DNA/LNA
124 <220> FEATURE:
W--> 125 <221> NAME/KEY: LNA
126 <222> LOCATION: (2)..(2)
128 <220> FEATURE:
W--> 129 <221> NAME/KEY: LNA
130 <222> LOCATION: (5)..(5)
132 <220> FEATURE:
W--> 133 <221> NAME/KEY: LNA
134 <222> LOCATION: (8)..(8)
136 <220> FEATURE:
W--> 137 <221> NAME/KEY: LNA
138 <222> LOCATION: (11)..(11)
140 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004

TIME: 13:55:30

Input Set : A:\60020240-0022.ST25.txt
 Output Set: N:\CRF4\09232004\J718194.raw

W--> 141 <221> NAME/KEY: LNA
 142 <222> LOCATION: (14)..(14)
 144 <220> FEATURE:
 W--> 145 <221> NAME/KEY: LNA
 146 <222> LOCATION: (17)..(17)
 148 <220> FEATURE:
 W--> 149 <221> NAME/KEY: LNA
 150 <222> LOCATION: (23)..(23)
 152 <400> SEQUENCE: 7
 153 aggaaagaaa gcgaaaggag gctgccagcg acgag 35
 156 <210> SEQ ID NO: 8
 157 <211> LENGTH: 19
 158 <212> TYPE: DNA
 159 <213> ORGANISM: Artificial
 161 <220> FEATURE:
 162 <223> OTHER INFORMATION: DNA/LNA
 164 <400> SEQUENCE: 8
 165 cgacggtcgc tgctctcg 19
 168 <210> SEQ ID NO: 9
 169 <211> LENGTH: 20
 170 <212> TYPE: DNA
 171 <213> ORGANISM: Artificial
 173 <220> FEATURE:
 174 <223> OTHER INFORMATION: DNA Sense strand primer
 176 <400> SEQUENCE: 9
 177 attcaccagt cacacgacca 20
 180 <210> SEQ ID NO: 10
 181 <211> LENGTH: 20
 182 <212> TYPE: DNA
 183 <213> ORGANISM: Artificial
 185 <220> FEATURE:
 186 <223> OTHER INFORMATION: DNA Antisense Primer
 188 <400> SEQUENCE: 10
 189 aagccggagg ttaaaaaggt 20
 192 <210> SEQ ID NO: 11
 193 <211> LENGTH: 20
 194 <212> TYPE: DNA
 195 <213> ORGANISM: Artificial
 197 <220> FEATURE:
 198 <223> OTHER INFORMATION: DNA Antisense Primer
 200 <400> SEQUENCE: 11
 201 ggtgctgcta tcgatggttt 20

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004
TIME: 13:55:31

Input Set : A:\60020240-0022.ST25.txt
Output Set: N:\CRF4\09232004\J718194.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,4,5,6,7,8,9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/718,194

DATE: 09/23/2004

TIME: 13:55:31

Input Set : A:\60020240-0022.ST25.txt

Output Set: N:\CRF4\09232004\J718194.raw

L:72 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:125 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:129 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:133 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:137 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:141 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:145 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7
L:149 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7